202
2.8 HW

p112-113 16-24, 27-32, 38

16. $180 - 67$

$113 = m\angle 1$

17. $90 - 38$

$m\angle 4 = 52$

18. 

$m\angle 7 = 29$

$m\angle 5 = 61$

$m\angle 8 = 61$

$90 - 29$

19. $2x - 4 + 2x + 4 = 180$

$4x = 180$

$x = 45$

$m\angle 9 = 86$

$m\angle 10 = 94$

20. $4x + 2x - 6 = 180$

$6x = 186$

$x = 31$

$m\angle 11 = 124$

$m\angle 12 = 56$

21. Vertical

$2x + 94 = 7x + 49$

$45 = 5x$

$9 = x$

$m\angle 13 = m\angle 14 = 112$

22. $x = 6x - 290$

$-5x = -290$

$x = 58$

$m\angle 15 = m\angle 16 = 58$

23. $2x + 7 = x + 30$

$x = 23$

$m\angle 17 = m\angle 18 = 53$

24. $20x + 100 + 20x = 180$

$40x = 80$

$x = 2$

$m\angle 19 = 140$

$m\angle 20 = 40$

27. S (don't have to be adj)

28. A

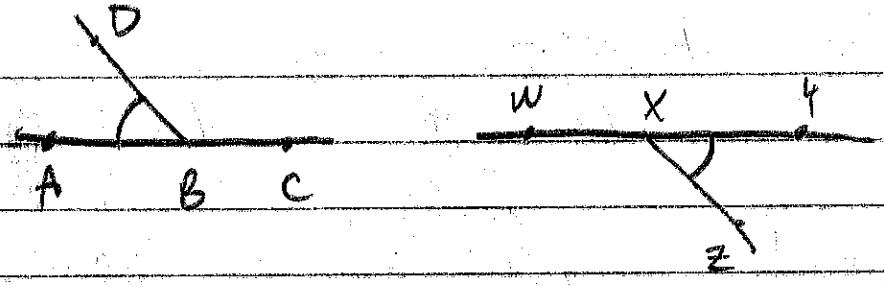
29. A

30. S

31. S

32. A

38.



G: $\angle ABD \cong \angle YXZ$

P: $\angle CBD \cong \angle WXZ$

Statements	Reasons
① $\angle ABD \cong \angle YXZ$	① Given
② $\angle ABD + \angle CBD$ are suppl $\angle YXZ + \angle WXZ$ are suppl	② Suppl. Thm
③ $\angle CBD \cong \angle WXZ$	③ Suppl. of $\cong \angle$s $\cong$